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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:18:58 ; Search time 55.893 Seconds
(without alignments)
5580.127 Million cell updates/sec

Title: US-09-807-933B-8

Perfect score: 1017

Sequence: 1 atgaagctccacccgtctgtctat.....caggtcggaagaagtaa 1017

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	221.4	21.8	984	US-09-230-665-7	Sequence 7, Appli
2	221.4	21.8	1473	US-08-090-013-3	Sequence 3, Appli
3	221.4	21.8	1473	US-08-081-328-3	Sequence 3, Appli
4	221.4	21.8	1473	US-08-233-249-3	Sequence 3, Appli
5	221.4	21.8	1473	US-08-833-642A-3	Sequence 3, Appli
6	221.4	21.8	1473	US-08-389-423-3	Sequence 3, Appli
7	221.4	21.8	1473	US-09-230-665-3	Sequence 3, Appli
8	221.4	21.8	1473	US-09-189-028-3	Sequence 3, Appli
9	207.4	20.4	1423	US-08-651-136C-9	Sequence 9, Appli
10	207.4	20.4	1423	US-09-229-911A-9	Sequence 9, Appli
11	204	20.1	912	US-09-188-060B-71	Sequence 71, Appli
12	202.8	19.9	919	US-09-189-060B-67	Sequence 67, Appli
13	200.6	19.7	924	US-09-189-060B-69	Sequence 69, Appli
14	188	18.5	922	US-09-189-060B-73	Sequence 73, Appli
15	186.8	18.4	922	US-09-189-060B-65	Sequence 65, Appli
16	186	18.3	1154	US-08-651-136C-7	Sequence 7, Appli
17	186	18.3	1154	US-09-229-911A-7	Sequence 7, Appli
18	184	18.1	1174	US-08-872-437-1	Sequence 1, Appli
19	184	18.1	1174	US-08-651-136C-11	Sequence 11, Appli
20	184	18.1	1174	US-09-229-911A-11	Sequence 11, Appli
21	179.4	17.6	807	US-09-230-665-5	Sequence 5, Appli
22	179.4	17.6	1060	US-08-081-328-1	Sequence 1, Appli
23	179.4	17.6	1060	US-08-233-249-1	Sequence 1, Appli
24	179.4	17.6	1060	US-08-833-642A-1	Sequence 1, Appli
25	179.4	17.6	1060	US-08-389-423-1	Sequence 1, Appli
26	179.4	17.6	1060	US-08-651-136C-1	Sequence 1, Appli
27	179.4	17.6	1060	US-08-229-911A-1	Sequence 1, Appli

28	179.4	17.6	1060	US-08-389-423-1	Sequence 1, Appli
29	179.4	17.6	1060	US-08-816-915-7	Sequence 7, Appli
30	179.4	17.6	1060	US-09-189-060B-55	Sequence 55, Appli
31	179.4	17.6	1060	US-09-230-665-1	Sequence 1, Appli
32	179.4	17.6	1060	US-09-189-028-1	Sequence 1, Appli
33	179.4	17.6	1060	PCT-US95-07743-7	Sequence 15, Appli
34	179.2	17.6	808	US-08-651-136C-15	Sequence 15, Appli
35	179.2	17.6	808	US-09-229-911A-15	Sequence 15, Appli
36	179	17.6	894	US-08-651-136C-3	Sequence 3, Appli
37	179	17.6	894	US-09-229-911A-3	Sequence 3, Appli
38	179	17.6	927	US-08-651-136C-5	Sequence 5, Appli
39	179	17.6	927	US-09-229-911A-5	Sequence 5, Appli
40	179	17.6	960	US-08-651-136C-1	Sequence 1, Appli
41	179	17.6	960	US-09-229-911A-1	Sequence 1, Appli
42	178.4	17.5	1031	US-08-651-136C-19	Sequence 19, Appli
43	178.4	17.5	1031	US-09-229-911A-19	Sequence 19, Appli
44	178.4	17.5	1048	US-08-651-136C-17	Sequence 17, Appli
45	178.4	17.5	1048	US-09-229-911A-17	Sequence 17, Appli

ALIGNMENTS

RESULT 1
US-09-230-665-7
Sequence 7, Application US/09230665
Patent No. 6322595
GENERAL INFORMATION:
APPLICANT: Boyer, Stanton L
TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain
FILE REFERENCE: 6191 Sequence Listing (8 Sequences)
Patent No. 6322595
CURRENT APPLICATION NUMBER: US/09/230,665
CURRENT FILING DATE: 1999-01-29
EARLIER APPLICATION NUMBER: 60/023,125
EARLIER FILING DATE: 1996-07-30
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 984
TYPE: DNA
ORGANISM: Unknown Organism
FEATURE:
OTHER INFORMATION: Description of Unknown Organism: Organism encoding
OTHER INFORMATION: an endoglucanase enzyme
FEATURE:
NAME/KEY: CDS
LOCATION: (97)..(735)
US-09-230-665-7
Query Match 21.8%; Score 221.4; DB 4; Length 984;
Best Local Similarity 63.9%; Pred. No. 8.9e-57;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;
QY TCCTGCGTGGTTCACACTCGTATGATGTTGTAAGCTTCGACGGGCT 459
DB TCTGGAAGCGTCACTGACTGATGAGATGCTGCAAGCTTCCTGCTTGAGC 210
QY GGAAGACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
DB GGAAGACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
QY GATGCAATGCTCAAGTGTGTA--CGGTGTAATGTTGATGTTGTAACAC 576
DB AACACATGCTGCTCAAGTGTGTA--CGGTGTAATGTTGATGTTGTAAC 330
QY CAACCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 636
DB TCTCCCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 390
QY TCACCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 696

REFERENCE/DOCKET NUMBER: CM356M
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 513-627-2885
 TELEFAX: 513-627-0318
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1473 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 97..1224
 US-08-081-328-3

Query Match 21.8%; Score 221.4; DB 1; Length 1473;
 Best Local Similarity 63.9%; Pred. No. 1.1e-56;
 Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

400 TCTGGCAGTGGTTCACAACTCGTTAATGGATTGTTAAAGCTTCTTGAGCTGGCT 459
 151 TCTGGAAGCGGTCACTACTGATCTGGAATTCGCAAGCTTCTTGCTTTGAGC 210
 460 GGAAGACCTTCTGCTACTGCTCTGTTGACACTGCTGCTCAATGATCTTTATTA 519
 211 GGAAGGCTGCTGCAAGCGCCCTGCTTTAATTGTAAGAAAGCAACCCCATTTCC 270
 520 GATGCCAATGCTCAAGTGTGTTAA--CGGTGTAATGTTTCAATGTGTAACAACAC 576
 271 AACACCAATGCTGCAACGGTGTGAGGGGTGTTGCTTATGCTTGACCAACTAC 330
 577 CAACCTGGGCTGTCATATGATGATGATGCTGCTTACGTTTCCGCTGCTCTTATGCTG 636
 331 TCTCCCTGGGCTGTCACATGATGATGATGCTTCCGTTTCCGCTTACCAATCTCCGT 390
 637 TCCACGAAGCTGATGATGATGATGCTGCTTATGATGATGATGATGATGATGATGAT 696
 391 GGTCTCCAGGCGCACTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
 697 TCTGGAAGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 756
 451 AAGGCAAGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 510
 757 TTTGATTTGCAAAATGCGCGGTGATGATGATGATGATGATGATGATGATGATGATGATG 816
 511 TTGATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 570
 817 GGCCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 876
 571 GG-----CAAGGCTCTGGGGGAGGAGTATGATGATGATGATGATGATGATGATGAT 936
 877 GCTCTCTTCT 936
 625 GATAGTACCCCGAGCTTCTCAAGAGCGTTGCCATGCGCATTCGACTGGTTGAGAAC 684
 937 TCTGATAACCTTACATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 977
 685 GCCGACAACTTCACTTCACTTGAAGCAGGTCAAGTCCC 725

RESULT 4
 US-08-232-249-3
 Sequence 3, Application US/08232249
 Patent No. 5610129
 GENERAL INFORMATION:
 APPLICANT: MCCORRODADALE, FINLAY (NMN)
 APPLICANT: BUSCH, ALFRED (NMN)
 TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: THE PROCTER & GAMBLE COMPANY
 STREET: 5299 SPRING GROVE AVENUE
 CITY: CINCINNATI

STATE: OHIO
 COUNTRY: USA
 ZIP: 45217
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/232,249
 FILING DATE: 05-MAY-1994
 CLASSIFICATION: 510
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: EP 91202882.6
 FILING DATE: 06-NOV-91
 ATTORNEY/AGENT INFORMATION:
 NAME: ALLEN, GEORGE W.
 REGISTRATION NUMBER: 26,143
 REFERENCE/DOCKET NUMBER: CM-395
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 513-627-5946
 TELEFAX: 513-627-8118
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1473 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 97..1224
 US-08-232-249-3

Query Match 21.8%; Score 221.4; DB 1; Length 1473;
 Best Local Similarity 63.9%; Pred. No. 1.1e-56;
 Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

400 TCTGGCAGTGGTTCACAACTCGTTAATGGATTGTTAAAGCTTCTTGAGCTGGCT 459
 151 TCTGGAAGCGGTCACTACTGATCTGGAATTCGCAAGCTTCTTGCTTTGAGC 210
 460 GGAAGACCTTCTGCTACTGCTCTGTTGACACTGCTGCTCAATGATCTTTATTA 519
 211 GGAAGGCTGCTGTCACAGCGCCCTGCTTTAATTGTAAGAAAGCAACCCCATTTCC 270
 520 GATGCCAATGCTCAAGTGTGTTAA--CGGTGTAATGTTTCAATGTGTAACAACAC 576
 271 AACACCAATGCTGCAACGGTGTGAGGGGTGTTGCTTATGCTTGACCAACTAC 330
 577 CAACCTGGGCTGTCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 636
 331 TCTCCCTGGGCTGTCACATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 390
 637 TCCACGAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 696
 391 GGTCTCCAGGCGCACTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
 697 TCTGGAAGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 756
 451 AAGGCAAGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 510
 757 TTTGATTTGCAAAATGCGCGGTGATGATGATGATGATGATGATGATGATGATGATGATG 816
 511 TTGATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 570
 817 GGCCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 876
 571 GG-----CAAGGCTCTGGGGGAGGAGTATGATGATGATGATGATGATGATGATGAT 936
 877 GCTCTCTTCT 936
 625 GATAGTACCCCGAGCTTCTCAAGAGCGTTGCCATGCGCATTCGACTGGTTGAGAAC 684

QY 937 TCTGATAACCTTACCATGATGACCTTCAAGAGTTACCTGTC 977
Db 685 GCCGACAACCTGACTGACTTCACTTGTAGAGAGGTTACGTCCC 725

RESULT 5
US-08-833-642A-3

Sequence 3, Application US/08833642A
Patent No. 5883066
GENERAL INFORMATION:
APPLICANT: Ivan M. A. J. Herbols et al.
TITLE OF INVENTION: Liquid Detergent Compositions
TITLE OF INVENTION: Containing Cellulase and Amine
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jackie Ann Zurcher
ADDRESS: 255 E. Fifth Street
STREET: 1900 Chemed Center
CITY: Cincinnati
STATE: Ohio
COUNTRY: USA
ZIP: 45202
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,642A
FILING DATE: April 8, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Zurcher, J. A.
REGISTRATION NUMBER: R42,251
REFERENCE/DOCKET NUMBER: CM551C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (513) 977-8377
TELEFAX: (513) 977-8141
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97.1224
US-08-833-642A-3

Query Match 21.8%; Score 221.4; DB 2; Length 1473;
Best Local Similarity 63.9%; Pred. No. 1.1e-56;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 400 TCTGCACTGTTTCCACACCTGTTTGGATTGTTAAAGTTCTTGCAGCTGCGCT 459
Db 151 TCTGAAAGCGGTCACTACTGATGATGAGGATTTGCGAAGCTTCTTGTCTTGGAGC 210
QY 460 GGAAGAGTCTGTCATGCTGCTGTTGACACCTGTCCTCCAAATGATCTCTTATTA 519
Db 211 GGAAGAGTCTGTCATGCTGCTGTTGACACCTGTCCTCCAAATGATCTCTTATTA 519
QY 520 GATGCAATGCTCAAGTGTGTTGA---CGTGTATGTTTCAATGATGTAACAAAC 576
Db 271 AACACCAATGCTGTCACGATGTTGAGGATGATGATGATGATGATGATGATGATG 330
QY 577 CAACCTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 636

Db 331 TCTCCCTGGGCTGTCACATGATGATGCTTCCATGCTTCCATCAAGATCTCCGT 390
QY 637 TCCAGGAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 696
Db 391 GGTCCGAGGCGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 450
QY 697 TCTGAAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 756
Db 451 AAGGCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 510
QY 757 TTTGATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 816
Db 511 TTGATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 570
QY 817 GCGCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 876
Db 571 GG-----CAAGGCTCGGCGGCTGCGGATGATGATGATGATGATGATGATGATGATG 624
QY 877 GCTCTCTTCT 936
Db 625 GATAGTACCCCGAGCTTCTCAAGAGAGGTTGCGCACTGCGGATGATGATGATGATGATG 684
QY 937 TCTGATAACCTTACCATGATGACCTTCAAGAGTTACCTGTC 977
Db 685 GCCGACAACCTGACTGACTTCACTTGTAGAGAGGTTCAAGTCCC 725

RESULT 6
US-08-389-423-3

Sequence 3, Application US/08389423
Patent No. 5948672
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
APPLICANT: Mikkelsen, Jan Moller
APPLICANT: Schielein, Martin
APPLICANT: Patkar, Shankant A.
APPLICANT: Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 59486720 No. 5948672disk of No. 5948672th America, Inc.
STREET: 405 Lexington Avenue, 64th floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/389,423
FILING DATE: 14-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:

ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-09-389-423-3

Query Match 21.8%; Score 221.4; DB 2; Length 1473;
Best Local Similarity 63.9%; Pred. No. 1.1e-56;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 400 TCTGGCAGTGGTTCACAACTCGTTATTTGGATTGTGTAAGCTTCTGACGCTGCT 459
DB 151 TCTGGAAGCGGTCACTTACTGATCTGAGATTTGTCGAAGCTTCTGCTTTGGAGC 210
QY 460 GGAAGACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
DB 211 GGAAGACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
QY 520 GATCCAAATGCTCAAGTGGTTGTA--CGGTGTAATGTTTCATGTTACAAAC 576
DB 271 AACCAATGCTCAAGTGGTTGTAAGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 330
QY 577 CAACCTGGGCTGCTCAATGATGATGATGATGATGATGATGATGATGATGATGATG 636
DB 331 TCTCCCTGGGCTGCTCAAGTGGTTGTAAGGTTGTTGTTGTTGTTGTTGTTGTTGTT 390
QY 637 TCCAAAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 696
DB 391 GGTCCAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 450
QY 697 TCTGGAAGAAGATGTTGTTCAAGTTACCAACCGGTGGCAATTAGGCTTCAACAC 756
DB 451 AAGGCAAGAAGATGTTGTTCAAGTTACCAACCGGTGGCAATTAGGCTTCAACAC 510
QY 757 TTTGATTGCAAAATGCCCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 816
DB 511 TTGATCTCATGATGCCCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 570
QY 817 GGCCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 876
DB 571 GG-----CAAGGCTCTGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 624
QY 877 GCCT 936
DB 625 GATGCTAACCCCGAGCTTCTCAAGGAGCGTTGCCACTGGCGATTGCACTGTTGAGAAC 684
QY 937 TCTGATAACCTTACATGATGATGATGATGATGATGATGATGATGATGATGATG 977
DB 685 GCCGACAACCTGACTTCACTTTGAGCAGGTTCAAGTCCC 725

RESULT 7
US-09-230-665-3
Sequence 3, Application US/09230665
Patent No. 6322595
GENERAL INFORMATION:
APPLICANT: Boyer, Stanton L
TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
FILE REFERENCE: 6191 Sequence Listing (8 Sequences)
Patent No. 6322595
CURRENT APPLICATION NUMBER: US/09/230.665
CURRENT FILING DATE: 1999-01-29
EARLIER APPLICATION NUMBER: 60/023.125
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 3
LENGTH: 1473
TYPE: DNA
ORGANISM: Fusarium oxysporum
FEATURE:

NAME/KEY: CDS
LOCATION: (97)..(1224)
US-09-230-665-3

Query Match 21.8%; Score 221.4; DB 4; Length 1473;
Best Local Similarity 63.9%; Pred. No. 1.1e-56;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 400 TCTGGCAGTGGTTCACAACTCGTTATTTGGATTGTGTAAGCTTCTGACGCTGCT 459
DB 151 TCTGGAAGCGGTCACTTACTGATCTGAGATTTGTCGAAGCTTCTGCTTTGGAGC 210
QY 460 GGAAGACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
DB 211 GGAAGACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
QY 520 GATCCAAATGCTCAAGTGGTTGTA--CGGTGTAATGTTTCATGTTACAAAC 576
DB 271 AACCAATGCTCAAGTGGTTGTAAGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 330
QY 577 CAACCTGGGCTGCTCAATGATGATGATGATGATGATGATGATGATGATGATGATG 636
DB 331 TCTCCCTGGGCTGCTCAAGTGGTTGTAAGGTTGTTGTTGTTGTTGTTGTTGTTGTT 390
QY 637 TCCAAAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 696
DB 391 GGTCCAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 450
QY 697 TCTGGAAGAAGATGTTGTTCAAGTTACCAACCGGTGGCAATTAGGCTTCAACAC 756
DB 451 AAGGCAAGAAGATGTTGTTCAAGTTACCAACCGGTGGCAATTAGGCTTCAACAC 510
QY 757 TTTGATTGCAAAATGCCCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 816
DB 511 TTGATCTCATGATGCCCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 570
QY 817 GGCCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 876
DB 571 GG-----CAAGGCTCTGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 624
QY 877 GCCT 936
DB 625 GATGCTAACCCCGAGCTTCTCAAGGAGCGTTGCCACTGGCGATTGCACTGTTGAGAAC 684
QY 937 TCTGATAACCTTACATGATGATGATGATGATGATGATGATGATGATGATGATG 977
DB 685 GCCGACAACCTGACTTCACTTTGAGCAGGTTCAAGTCCC 725

RESULT 8
US-09-189-028-3
Sequence 3, Application US/09189028
Patent No. 6423524
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
APPLICANT: Mikkelson, Jan Moller
APPLICANT: Schuelein, Martin
APPLICANT: Patkar, Shankant A.
TITLE OF INVENTION: A Cellulase Preparation Comprising an
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: No. 64235240 No. 6423524disk of No. 6423524th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/189,028
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/389,423
FILING DATE: 14-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-867-0123
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-09-189-028-3

Query Match 21.8%; Score 221.4; DB 4; Length 1473;
Best Local Similarity 63.9%; Pred. No. 1.1e-56;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

400 TCTGAGAGTGTTCACCACTGTTATTGGATTGTTGAAAGCTTCTTGACAGCTGCT 459
151 TCTGGAAGCGGTCACTCTACTGATCTGGGATTGCTGCAAGCTTCTTGCTTGAGAC 210
460 GGAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
211 GGAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
520 GATGCCAATGCTCAAAAGTGTGTAA---CGTGTGTAATGTTTCAATGTGTAAACAAC 576
271 AACACCAATGCTGTCACAGGTTGTGAGGCGGTGTGCTTATGCTTGACCAACTAC 330
577 CAACCTTGAGCTGCTCAATGATGAGCTGCTTACGCTTGTGCTGCTGCTGCTTATGCTG 636
331 TCTCCCTGGGCTGTCAACGATGAGCTTGTCTACGCTTGTCTGCTCAAGATCTCCGGT 390
637 TCCACGAGAGCTGAGT 696
391 GGTCTCCAGAGCGAGCTGT 450
451 AAGGCAAGAGAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 510
697 TCTGGAAGAAGATGATGTTTCAAGTTCACCAACACCGGTGCGCATTTAGGCTTAAACAC 756
451 AAGGCAAGAGAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 510
757 TTTGATTTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 816
511 TTGATCTCAATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 570
817 GGCGCTCCCAATATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 876
571 GG-----CAAGGCTCTGGGGGCTGCCAGTACGCGCGATCTCTCCCAAGCGAATGT 624
877 GCT 936
625 GATGAGTACCGCGAGCTTCTCAAGAGAGGTTGCCACATGGCGAATTCGATGCTGTTGAGAAC 684
937 TCTGATAACCTTACCAATGACCTTCAAGAGAGTTCCTGTCC 977

Db 685 GCCGACAACTTCACTTCACTTGTGAGAGGTTCAAGTGGCC 725

RESULT 9
US-08-651-136C-9
Sequence 9, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639e No. 6001639e disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-867-9655
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 110..1156
US-08-651-136C-9

Query Match 20.4%; Score 207.4; DB 3; Length 1423;
Best Local Similarity 60.1%; Pred. No. 1.8e-52;
Matches 365; Conservative 0; Mismatches 236; Indels 6; Gaps 1;

400 TCTGAGAGTGTTCACCACTGTTATTGGATTGTTGAAAGCTTCTTGACAGCTGCT 459
173 TCGGCAAGAGCGCAACACCGCTACTGAGGATGCTCAAGATCTTGTGCGCATGGAG 232
460 GGAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
233 GCGAAGGATCGTCTCGAGCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 292
520 GATGCCAATGCTCAAGT 579
293 GATGCCAAGCGCAAGAGCGGCTGCGACGCGCGGCGGCAATTTGCTGTACCAACAATCC 352
580 CCTTGGGCTGTCAATGATGAGTGTGCTTACGCTTACGCTTGTGCTGCTGCTTATGCTGCTCC 639
353 CTTGGGCGGTGAGGAGGACCTTGCTCAAGATTTGCTGCGACAGCCCTCAGCGCGCGC 412

PRIOR APPLICATION NUMBER: PCT/DK97/00216
PRIOR FILING DATE: 1997-05-12
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 71
LENGTH: 912
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(912)
US-09-189-060B-71

Query Match 20.1%; Score 204; DB 4; Length 912;
Best Local Similarity 60.2%; Pred. No. 1.5e-51;
Matches 377; Conservative 0; Mismatches 240; Indels 9; Gaps 2;

QY 380 AGGTCAATCTCTGCGGTAATCTGCAAGTGTTCACCAACTGTTATGGGATTGTGTA 439
DB 41 AGGTCCGGCACCTGCTTCTGCTGATGAGGAGTCCAGAGTATGGGATTGTGCA 100
QY 440 AAGCTTCTGCACTGCGCTGGAAGAAGCTTCTGCACTGCTCTGTTGACACTGTGCT 499
DB 101 AGCGTATGCTTGTGCTGCGGCAAGGCTCAGTGTCTCCGTCGCAACTGTGAGC 160
QY 500 CCAATGATCTCTTTATTAAGATGCAATGCTCAAGTGTGTGTAACGGTGTAAAGTT 559
DB 161 CAACCACTGCGCTGCTGCGAGTCCAGCAAGAGTGTGCGATGAGAGCGTGTCTT 220
QY 560 TCATGTGTAACAACAACAACCTTGGGCTGTCATGATGAGTGTGCTGCTTGAATGACT 619
DB 221 ACATGTTGTAACAACAAGCGCTTGGGCTGTAAAGTAACTCTTATGTTGCTGCG 280
QY 620 CTGCTCTATGCTGCTGCTCAACGAGCTGATGTTGTGCTGTATGATTAACCT 679
DB 281 CCACAGCTATCAATGCGGCGAGCGAGTCTAGTGTCTGTGCAATGCTAACAGTTGACTT 340
QY 680 TCATCTTGGGCTGCTCTTCTGGAAGAAGATGTTGTTCAAGTTACCAACCGGTGCG 739
DB 341 TCACAGCGGACCTCTCTGGAAGATCATGCTGTCTTCAATCAACCAACCGGATGAG 400
QY 740 ATTAGGCTCTAACCACTTGTATTTGCAATGCTGCTGCTGCTGCTGCTGCTGCT 799
DB 401 ATCTCTCAACAACAATTTGCAATTTATGCAAGTGTGCGGCTGTGAGCGCTTCAAG 460
QY 800 GCTGTGCTCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTAGATATGATGAT 859
DB 461 GCTGCTCTAGGAGTACGCGC-----ACATCCCTGAGGAGC--GATATGCGGCTGTCA 511
QY 860 GCTGTGCTCTGACTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 919
DB 512 CATCAAGGAGCAATGCGACCAAAATGCGACATCAAGGAGGCTGCTATTTGGGCT 571
QY 920 TCACTGTGTTCAAGAACTGTATTAACCTTACCATACCTTCAAGAAATTAAGTCTG 979
DB 572 TCATGTGTTCAAGAACTGTATTAACCTTACCATACCTTCAAGAAATTAAGTCTG 979
QY 980 CTGAATTAATACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1005
DB 632 CCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 657

RESULT 12
US-09-189-060B-67
Sequence 67, Application US/09189060B

Patent No. 6270968
GENERAL INFORMATION:
APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kauppinen, Markus
APPLICANT: Borge, Diderichsen
TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
FILE REFERENCE: 4772.204-US

CURRENT APPLICATION NUMBER: US/09/189,060B
CURRENT FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: PCT/DK97/00216
PRIOR FILING DATE: 1997-05-12
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 67
LENGTH: 919
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (2)...(919)
US-09-189-060B-67

Query Match 19.9%; Score 202.8; DB 4; Length 919;
Best Local Similarity 59.1%; Pred. No. 3.3e-51;
Matches 370; Conservative 0; Mismatches 247; Indels 9; Gaps 1;

QY 380 AGGTCAATCTCTGCGGTAATCTGCAAGTGTTCACCAACTGTTATGGGATTGTGTA 439
DB 48 AGGTCCGGCACCTGCTTCTGCTGATGAGGAGTCCAGAGTATGGGATTGTGTA 107
QY 440 AAGCTTCTGCACTGCGCTGGAAGAAGCTTCTGCACTGCTCTGTTGACACTGTGCT 499
DB 108 AGCGTATGCTTGTGCTGCGGCAAGGCTCAGTGTCTCCGTCGCAACTGTGAGC 167
QY 500 CCAATGATCTCTTTATTAAGATGCAATGCTCAAGTGTGTGTAACGGTGTAAAGTT 559
DB 168 AGAAGCAACCCCATCTCCAGCGCCAGCGGAGGTTGCAACGGCGGCACTTCT 227
QY 560 TCATGTGTAACAACAACAACCTTGGGCTGTCATGATGAGTGTGCTGCTTGAATGACT 619
DB 228 ACATGTTGTAACAACAAGCGCTTGGGCTGTAAAGTAACTCTTATGTTGCTGCG 287
QY 620 CTGCTCTATGCTGCTGCTCAACGAGCTGATGTTGTGCTGTATGATTAACCT 679
DB 288 CTACCAAGCTCTGAGAGCTCCAGTCCAGTGTGCTGTGCTGTGCTGTGCTGTGCT 347
QY 680 TCATCTTGGGCTGCTCTTCTGGAAGAAGATGTTGTTCAAGTTACCAACCGGTGCG 739
DB 348 TTAAGACTGCGCTGTAAGAGGCAAGCATGCTGTGCTGCTGCTGCTGCTGCTGCT 407
QY 740 ATTAGGCTCTAACCACTTGTATTTGCAATGCTGCTGCTGCTGCTGCTGCTGCT 799
DB 408 ATCTGCGGAACAACAATTTGCAATTTATGCAAGTGTGCGGCTGTGAGCGCTTCAAG 467
QY 800 GCTGTGCTCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTAGATATGATGAT 859
DB 468 GCTGAGCTCTCCAGTGGG-----TGCCCTGCGGCTGCTGCTGCTGCTGCTGCT 518
QY 860 GCTGTGCTCTGACTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 919
DB 519 CGTGGAAGGAGCACTGCGACAGCTTCCCGAGCTGCTCAAGAGAGGCTGCTACTGGGCT 578
QY 920 TCACTGTGTTCAAGAACTGTATTAACCTTACCATACCTTCAAGAAATTAAGTCTG 979
DB 579 ACAGCTGTGTTCAAGAACTGTATTAACCTTACCATACCTTCAAGAAATTAAGTCTG 979
QY 980 CTGAATTAATACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1005
DB 639 CCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 664

RESULT 13
US-09-189-060B-69
Sequence 69, Application US/09189060B

Patent No. 6270968
GENERAL INFORMATION:
APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kauppinen, Markus
APPLICANT: Borge, Diderichsen

```

; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69
; LENGTH: 924
; TYPE: DNA
; ORGANISM: Hybrid
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(924)
US-09-189-060B-69

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Query Match      19.7%; Score 200.6; DB 4; Length 924;
Best Local Similarity 59.8%; Pred. No. 1.5e-50;
Matches 376; Conservative 0; Mismatches 244; Indels 9; Gaps 2;

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Qy 380 AGGTCATCTCTGGGGGTAATCTGGCACTGTTCCACAATCTCTTATTGGATTGTTGA 439
Db 47 AGGTCGGGCGACCTGCTTTCGCTGTATGCGAGGTCCAGAGTACTGGGATTGCTGCA 106
Qy 440 AAGCTTCTGAGCTGGGCTGAAAAGCTTGTCTGCTGCTGTTGACACTGTGCT 499
Db 107 AGCCCTCTTGTCTTGGGGGGAAGGCTGCTGTGACGGCCCTTGTGACTGTGACA 166
Qy 500 CCAATGATCTCTTATTATGATGCAATGCTCAAGTGTGTTAA---CGGTGATATG 556
Db 167 AGAAGCAACCCATCTCAACCTGAAAGCTGTCAACGTTGAGAGGTGTGTTCTG 226
Qy 557 GTTTCATGTGTAACAACAACCACTTGGGCTGTCAATGATGAGTGTGCTTACGTTTG 616
Db 227 CCTTGGCTGTGACCAACTACTCTCTTGGGGGCTCAATGACAACTTGCCTACGCTTG 286
Qy 617 CTGCGGCTCTATTGCTGTGCTCAACGAGCTGATGTTGTTGGCTGTATGATTTGA 676
Db 287 CTGCAACCAAGCTTGGGCTGTGCTCCAGGGTAGCTGTGCTGTGCTTACGCACTTA 346
Qy 677 CTTTCACTTCTGAGGCTGCTTCTGGAAGAAGATGTTGTTCAAGTTACCAACACGGTG 736
Db 347 CTTTCAACCAAGGCTGCTGCTCAAGGGTAAGACATGTGTGCTCAATCCAAACCTGAG 406
Qy 737 GCGATTAGCTCTAACCACTTGTGTTGCAATGCTGGGTGTGAGCTGTGATCTTCA 796
Db 407 GCGACCTGAGAACCACTTGTGATGATGCTGTGAGCTGTGAGTGTGAAATCTTGC 466
Qy 797 ATGCTGTGCTGCTCAATGGGGGCTCCCAATGATGCTGAGGAGCTAGATATGTTG 856
Db 467 AGGTTGACCTTCTAGTTGCG3-----CAAGGCTGTGAGTGTGTCAGATACGGTGC 520
Qy 857 TCAGCTGTGCTGACTGTGCTCTCTTCCCTGTGCTTCAAGTGTGTAATGGA 916
Db 521 TCTCTCTCCGAAGAGAGTGCAGACAGCTTCCCTGAGACCTCAAGAGAGGTTGCCATTTGG 580
Qy 917 GATTCACTGTGTTCAAGAACTCTGATTAACCTTACATGACTTCAAGAGTTACTGTC 976
Db 581 GCTTCACTGTGTTCAAGAACTCTGATTAACCTTACATGACTTCAAGAGTTACTGTC 976
Qy 977 CTGCTGAATTAATTAATGCTGCTCAGTTGC 1005
Db 641 CAGCGAGACTGTGCTGCTGCAACCGGATGC 669

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RESULT 14
US-09-189-060B-73
; Sequence 73, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalpoge, Henrik
; APPLICANT: Sandal, Thomas

```

```

; APPLICANT: Kaupinen, Markus
; APPLICANT: Borge, Didrichsen
; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 922
; TYPE: DNA
; ORGANISM: Hybrid
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2)...(922)
US-09-189-060B-73

```

```

Query Match      18.5%; Score 188; DB 4; Length 922;
Best Local Similarity 57.5%; Pred. No. 9.4e-47;
Matches 360; Conservative 0; Mismatches 260; Indels 6; Gaps 1;

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Qy 380 AGGTCATCTCTGGGGGTAATCTGGCACTGTTCCACAATCTCTTATTGGATTGTTGA 439
Db 48 AGGTCGGGCGACCTGCTTTCGCTGTATGCGAGGTCCAGAGTACTGGGATTGCTGTA 107
Qy 440 AAGCTTCTGAGCTGGGCTGAAAAGCTTGTCTGCTGCTGTTGACACTGTGCT 499
Db 108 AGCCCTCTTGTCTTGGGGGGAAGGCTGCTGTGACGGCCCTTGTGACTGTGACA 167
Qy 500 CCAATGATCTCTTATTATGATGCAATGCTCAAGTGTGTTAAAGTGTATGATGAT 559
Db 168 CCGCAACAGCCCTCTGGGAGCCCTCTGGCAAGTGTGCTGAGAGGCGGCCCTGCT 227
Qy 560 TCATGTGTAACAACAACAACCACTTGGGCTGTCAATGATGAGCTGCTTACGTTGCTG 619
Db 228 ACAGTGTGCGCAACTTACAGCCGCTGAGGCGGTGCAACGACAGCTGCTTACGCTG 287
Qy 620 CTGCTCTATTGCTGTGCTCCAGAGACTGATGATGTTGTGCTGTATGATTTGACT 679
Db 288 CCAAGGCTATCAACGAGGCGGACCGAGAGCTGTGATGCTGTGCTGTCAAGTCACT 347
Qy 680 TCATCTTGGGCTGCTTCTGGAAGAAGATGTTGTTCAAGTTAACCAACACGGTGC 739
Db 348 TCACGACGCGCCGCTCTCGGCAAGACATGATGCTCACTCAACCAACGCGGCG 407
Qy 740 ATTAGCTCTAACCACTTGTGTTGCAATGCTGGGTGTGAGCTGTGTTCAATG 799
Db 408 ACCGTGCGCAACAACAATGAGCTGTCAATCCCGGCGGCGGTGCGCATCTTCAAG 467
Qy 800 GCTGTGCTGCTCAATGGGGGCTTCCCAATGATGCTGGGAGCTGATATGTTGTC 859
Db 468 GCTGCACTCTCCAGTACGAGGCGCTGCGCGGCG-----GCCAGTACCGCGCGTCA 521
Qy 860 GCTGTGCTGATGAGCTCTCTCTCTGCTGTCTTCAAGCTGTGTTAAATGAGAT 919
Db 522 GCTCCGCGGAGTGTGAGCAGATGCTCCAGAGGCAATCAAGCGGCTGCGAGTGG 581
Qy 920 TCAGTGTGTTCAAGAACTCTGATTAACCTTACATGACTTCAAGAGTTACTGTC 979
Db 582 ACAGTGTGTTAAAGAGCGGCAACATCGAGCTTCAAGCTTCCGTCAGAGTCCAG 641
Qy 980 CTGAATTAATTAATGCTGCTCAGTTGC 1005
Db 642 CCGAGCTGTGCTGCTGCAACCGGATGC 667

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RESULT 15
US-09-189-060B-65
; Sequence 65, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:

```

APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kaupinen, Markus
APPLICANT: Borge, Diderichsen
TITLE OF INVENTION: Method of Providing No. 6270968e1 DNA Sequences
FILE REFERENCE: 4772,204-US
CURRENT APPLICATION NUMBER: US/09/189,060B
PRIOR FILING DATE: 1997-05-12
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 65
LENGTH: 922
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(922)
US-09-189-060B-65

Query Match 18.4%; Score 186.8; DB 4; Length 922;

Best Local Similarity 57.5%; Pred. No. 2.2e-45; Matches 360; Conservative 0; Mismatches 257; Indels 9; Gaps 1;

380 AGTCATCTCTGCGGTAATCTGACAGTGTCCACACTGTTATTGGGATTGTTGA 439
47 AGTCGCGGACCTGCTTTCGCTGATGAGGAGTCCACGCGTACTGGGATTGTTGA 106
440 AAGCTTCTGACAGTGGCTTGGAAAAGCTTCTGCTGCTGCTGCTGCTGCTGCT 499
107 AGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 166
500 CCAATGATATCTTATTAGATGCAATGCTCAAAAGTGTGTTAAGGTTGATGTT 559
167 CAACTTCAGCCGATCACCGACCCCAAGCCCAAGTCCGCTGCTGCTGCTGCTGCT 226
560 TCATGTATCAACAACAACCACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 619
227 TCTCTGCGCGACGACCCCGTGGGCGCTGAGCGACGACTTGGCTTACGGTTTCGG 286
620 CTGCTCTATGCTGCTGCTGCTGCAAGAGTGGATGTTGCTGCTGCTGCTGCTGCT 679
287 CTAGCGGCTGCGCGCGCGCGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 346
680 TCACCTCTGCGCTGCTGCTGCAAGAGATGTTTCAAGTTACCAACACCGGTGCG 739
347 TCACCTGCGGCGCGCTGCTGCTGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCT 406
740 ATTAGGCTCTAACCACTTGTGATTTGCAATGCCGCTGCTGCTGCTGCTGCTGCTGCT 799
407 AACTGTGAGCAACCACTTGTGATTTGCAATGCCGCTGCTGCTGCTGCTGCTGCTGCT 466
800 GCTGTGCTGCTCAATGAGGCGCTGCCAATGATGCTGAGGAGCTAATATGTTGCTGCA 859
467 GCTGTGCTGCTCAATGAGGCGCTGCCAATGATGCTGAGGAGCTAATATGTTGCTGCA 517
860 GCTGTGCTGCTCAATGAGGCGCTGCCAATGATGCTGAGGAGCTAATATGTTGCTGCA 919
518 GCTGTGCTGCTCAATGAGGCGCTGCCAATGATGCTGAGGAGCTAATATGTTGCTGCA 577
920 TCACCTGCTCAAGAACTGATTAACCTTACCATGACCTCAAGAGATTACCTGCTGCTG 979
578 ACGACTGTTTAAAGAAAGCGGACAAATCCGAGCTTCACTTCCGTACAGTCCAGTCCAG 637
980 CTGAATTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1005
638 CCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 663

Search completed: June 17, 2003, 18:55:36
Job time : 57.893 secs